

EXPLANATION OF PLATE XIII.

- Fig. 1.—HEMIASTER (RHYNODRIS) APICATUS, abactinal system.
 „ 2.— „ „ „ „ half of actinal system.
 „ 3.— „ „ „ „ lateral view.
 „ 4.— „ „ „ „ anterior end.
 „ 5.— „ „ „ „ posterior end.

Plate XIV.

- PHYLLACANTHUS PARVISPINA, A. test with spines.
 „ „ B. denuded of spines showing anal system.

ON DORIS ARBUTUS, Angas.

BY REGINALD BLIGH READ, M.R.C.S., ENG.

[Plate XVII.]

Branchiæ nine, tripinnate, totally retractile, (Angas, from examination of only one small specimen $\cdot 551$ in. by $\cdot 177$ in., thought they were subretractile) united only at base, when extended, the whole assume a melon shape; at first sight they appeared to be united at the summit, but in the tank under a two-inch object glass x 20 diam., were seen to be totally separate.

In addition to the only specimen yet found, that by Angas, I have obtained three, and in the same locality, Coogee Bay, the largest of which measured $\cdot 795$ by $\cdot 374$ in. The number of branchiæ is not given by Angas. The stem of the tentacle is perfectly transparent, whilst the summit of the tentacle is deeply divided into about 11 laminæ, coloured white, interspersed with dark brownish spots. A ring of about 24 yellowish, white tipped papillæ surrounds each tentacle. The rim of the retractile cavity of the branchiæ rises, then these are expanded and on its edge are set numerous tubercles arranged in pairs. Of some other of our *Nudibranchiæ*, *Angasiella Edwardsi*, is interesting, being

placed between *Doris* and *Triopia*. Alder and Hancock mention only two species of *Triopa* in Northern Seas. Here we have *Triopa Yatesi*; whilst *Plocamophorus Imperialis*, of our harbour, differs very little from the only and typical species, *P. ocellatus*, Leuckart found in the Red Sea.

NOTES AND EXHIBITS.

Mr. E. P. Ramsay, F.L.S., etc., exhibited Photographs of Natives of Port Darwin and Port Essington. Also Seven Specimens of a new species of *Sphæria* growing from the larva of a *Pielis* from the Kurrajong; presented to the Museum by Mr. Selkirk.

Mr. Brazier, C.M.Z.S., exhibited a magnificent *Neæra latesulcata* (Woods) obtained at the Heads; also four fine species of Corals from Port Jackson.

Mr. Brazier also read the following note:—"Some weeks ago, one of our members, Mr. Mackay, sent me a Leaf of an Aquatic Plant taken in a fresh-water stream near Parramatta. The deposit on it is the spawn and very young state of *Limnæa*, (*Amphipeplea*). The minute Crustacean found on the same leaf is an Amphipod.

Specimens of Pituri (*Duboisia Hopwoodi*) and of *D. myoporoides*, and the extract obtained from the latter by Dr. Bancroft, were submitted by Mr. T. A. Tenison-Woods.

The Hon. William Macleay, F.L.S., exhibited a specimen of *Heterodontus galeatus*, and pointed out the difference between it and *Heterodontus Phillipi*.

Dr. Read submitted plates of the Nudibranchiata referred to in his paper.
